ABSTRACT

A wireless communication method and system for controlling the current data bit rate of a radio link (RL) to maintain the quality of the RL. The system includes a core network (CN), a radio network controller (RNC) and at least one wireless transmit/receive unit (WTRU). The RL is established between the RNC and the WTRU. The RNC establishes a guaranteed data bit rate, a maximum data bit rate and a current data bit rate associated with the RL. When the RNC senses an event which indicates that the quality of the RL has substantially deteriorated, the RNC reduces the value of the current data bit rate. Then, in a recovery process, if a similar event does not occur during an established waiting period, the RNC restores the current data bit rate back to the maximum data bit rate.